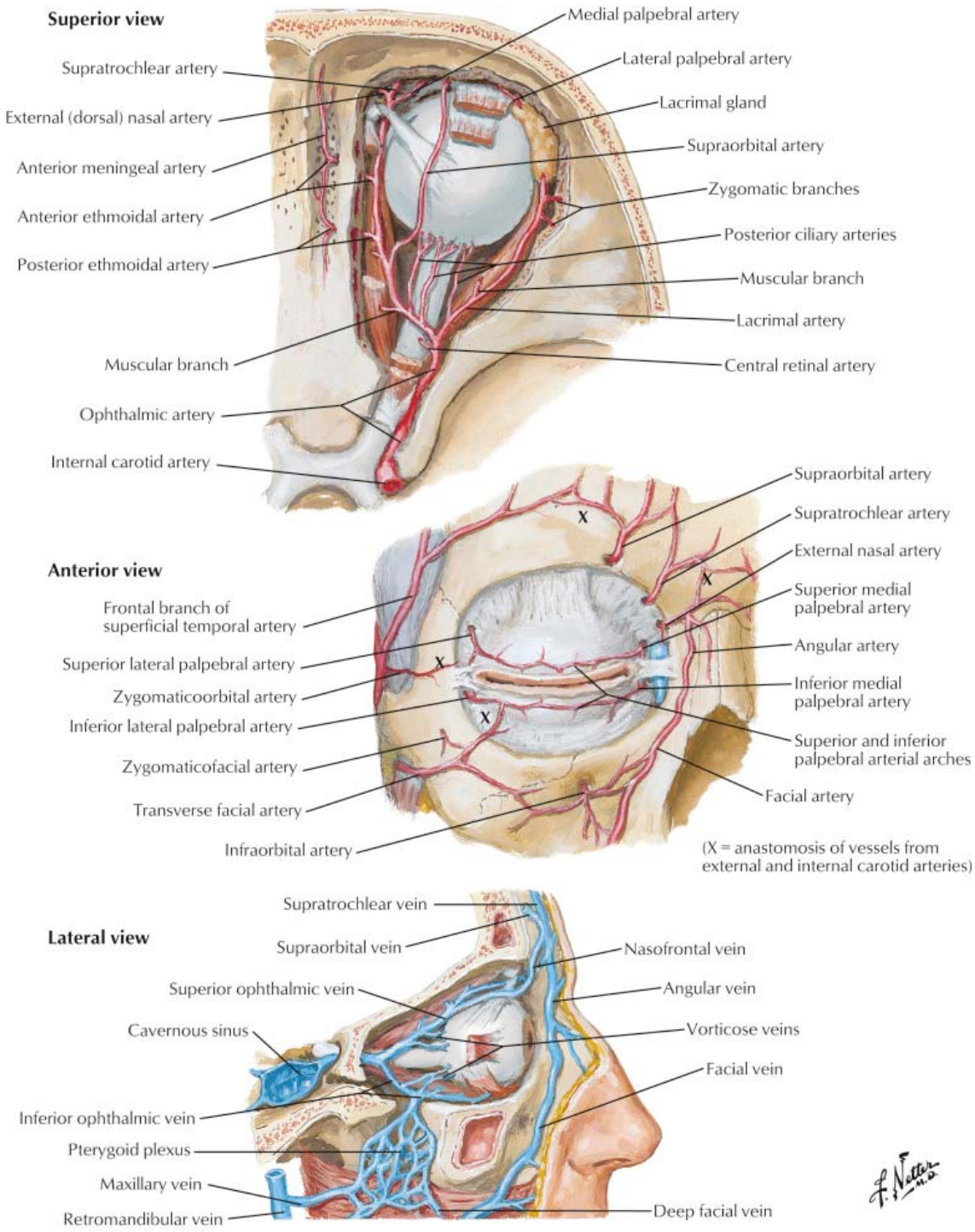


Plate 100 Eyeball: Transverse Section

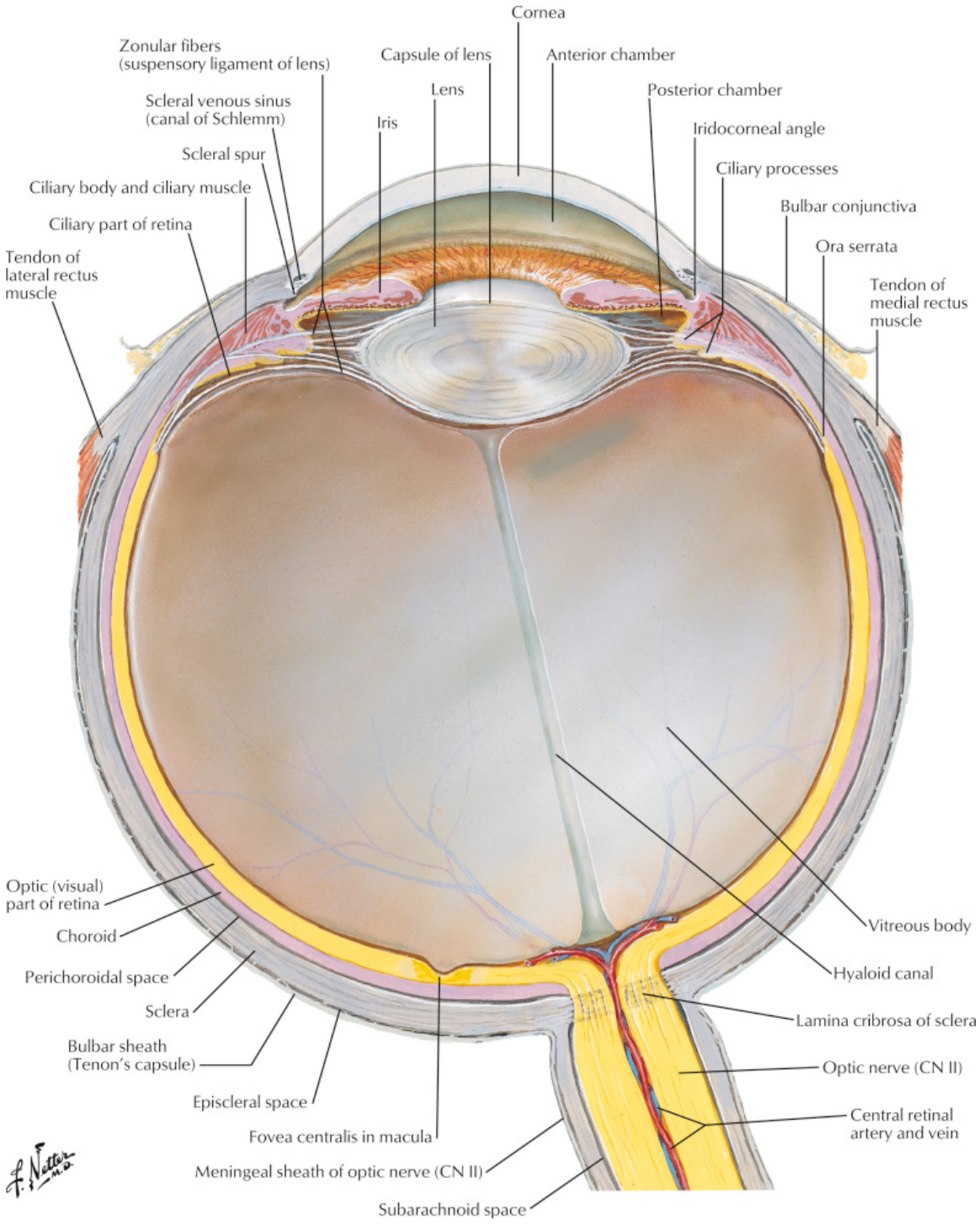


Plate 101 Anterior and Posterior Chambers of Eyeball

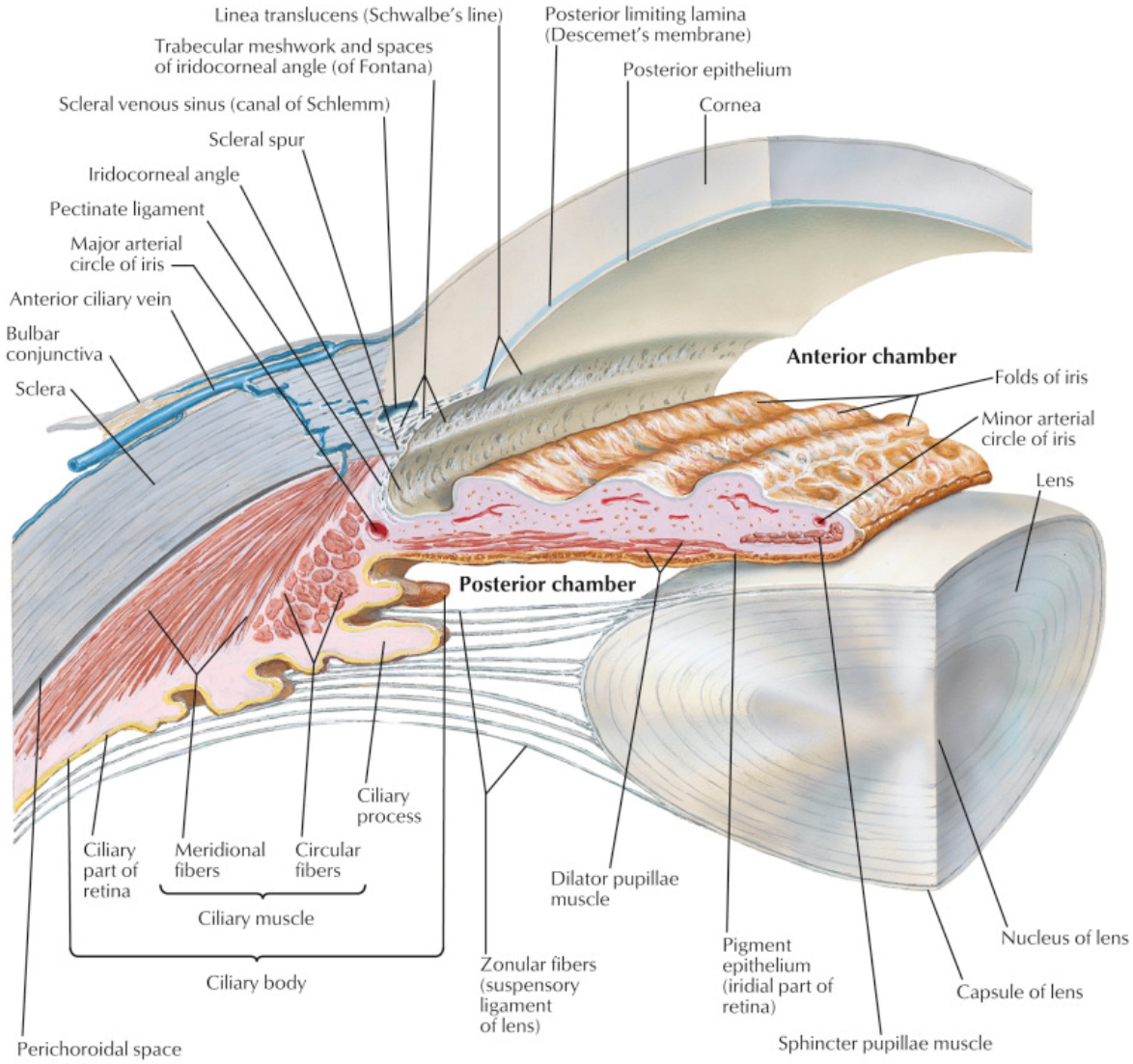


Plate 102 Lens and Supporting Structures

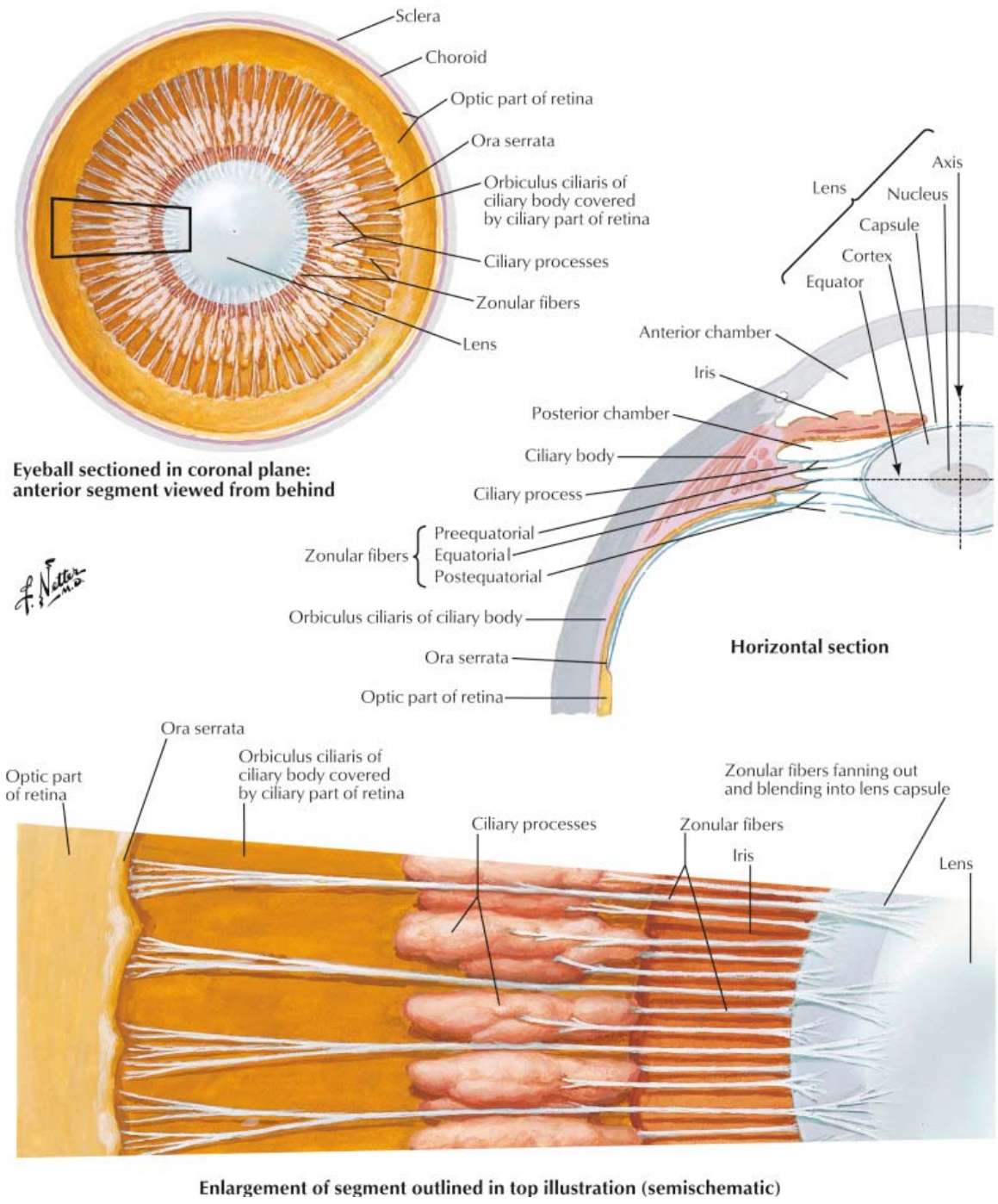
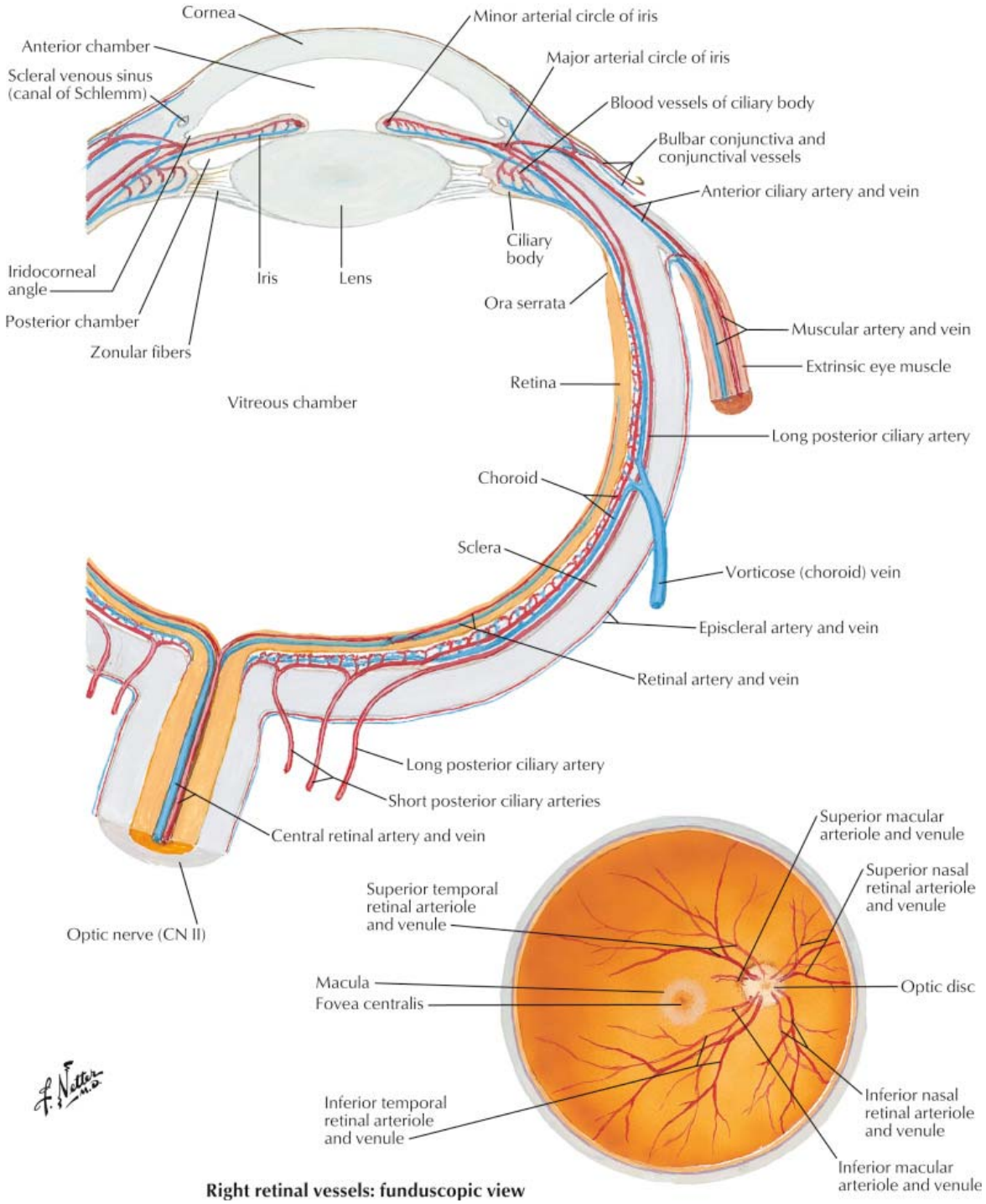


Plate 103 Intrinsic Arteries and Veins of Eye

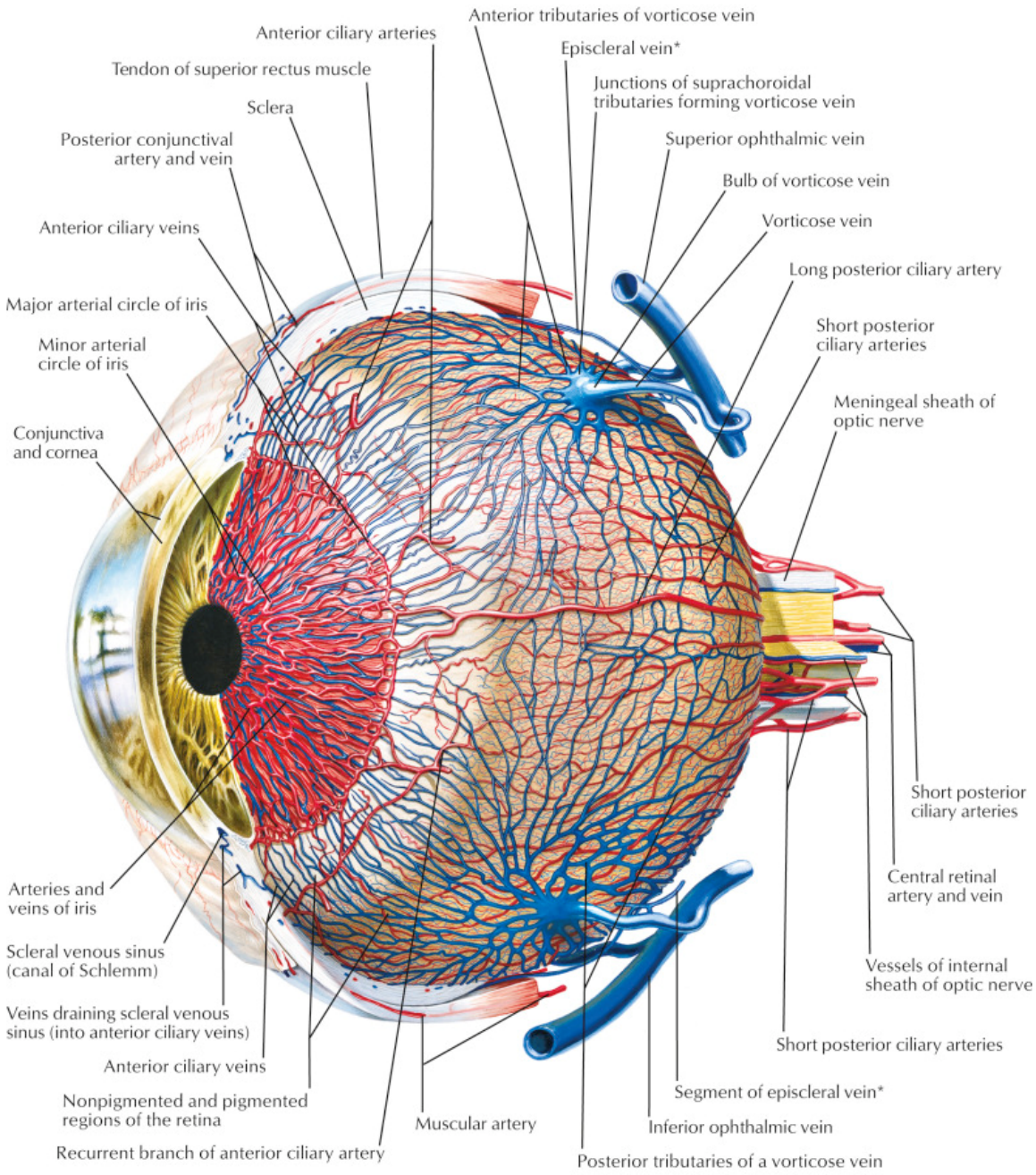
See also **Plate 104** (s0545)



Right retinal vessels: funduscopic view

Plate 104 Vascular Supply of Eye

Vascular arrangements within the choroid (vascular tunic) of the eyeball


Anterior tributaries of vorticose vein
Anterior ciliary arteries
Episcleral vein*
Tendon of superior rectus muscle
Junctions of suprachoroidal tributaries forming vorticose vein
Sclera
Posterior conjunctival artery and vein
Superior ophthalmic vein
Bulb of vorticose vein
Anterior ciliary veins
Vorticose vein
Long posterior ciliary artery
Major arterial circle of iris
Short posterior ciliary arteries
Minor arterial circle of iris
Meningeal sheath of optic nerve
Conjunctiva and cornea
Short posterior ciliary arteries
Central retinal artery and vein
Arteries and veins of iris
Scleral venous sinus (canal of Schlemm)
Vessels of internal sheath of optic nerve
Veins draining scleral venous sinus (into anterior ciliary veins)
Short posterior ciliary arteries
Anterior ciliary veins
Segment of episcleral vein*
Nonpigmented and pigmented regions of the retina
Muscular artery
Inferior ophthalmic vein
Recurrent branch of anterior ciliary artery
Posterior tributaries of a vorticose vein

*The episcleral veins are shown here anastomosing with the vorticose veins, which they do; however, they also drain into the anterior ciliary veins.

C. Machado, M.D.

Ear

Plate 105 Ear and Course of Sound in Cochlea

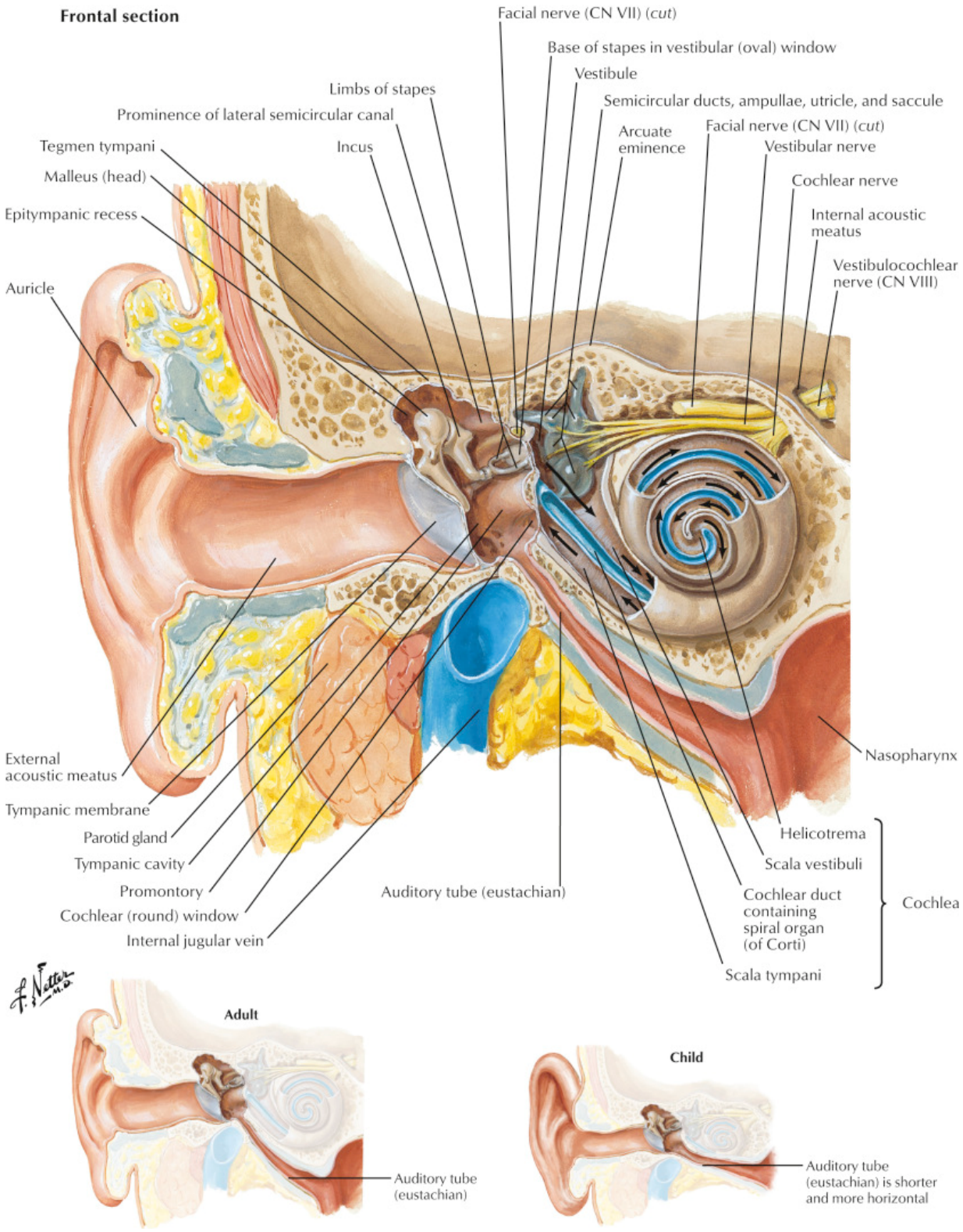


Plate 106 External Ear and Tympanic Cavity

See also **Plate 107** (s0565)

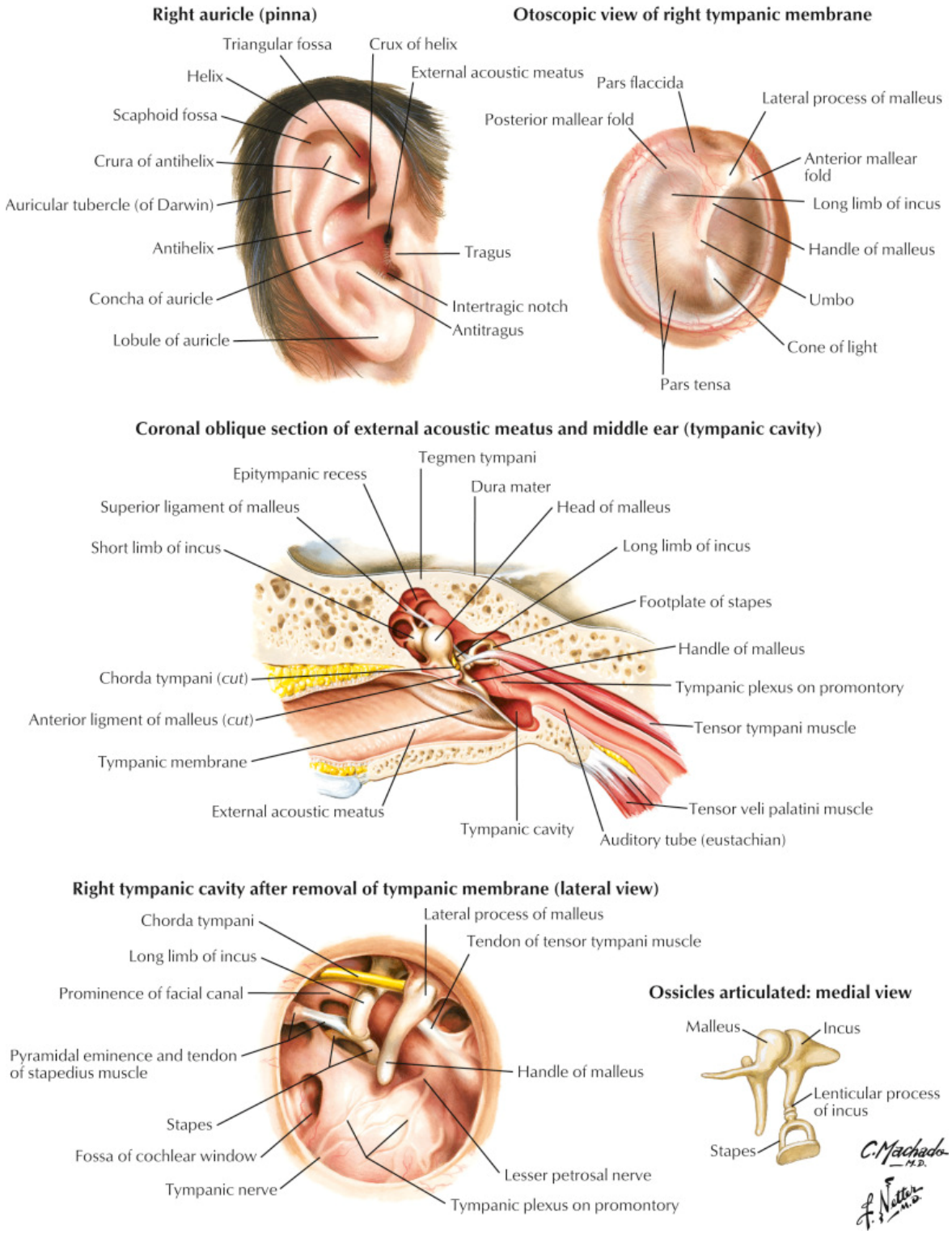


Plate 107 Tympanic Cavity

See also **Plates 59** (s0300) **, 146** (s0770)

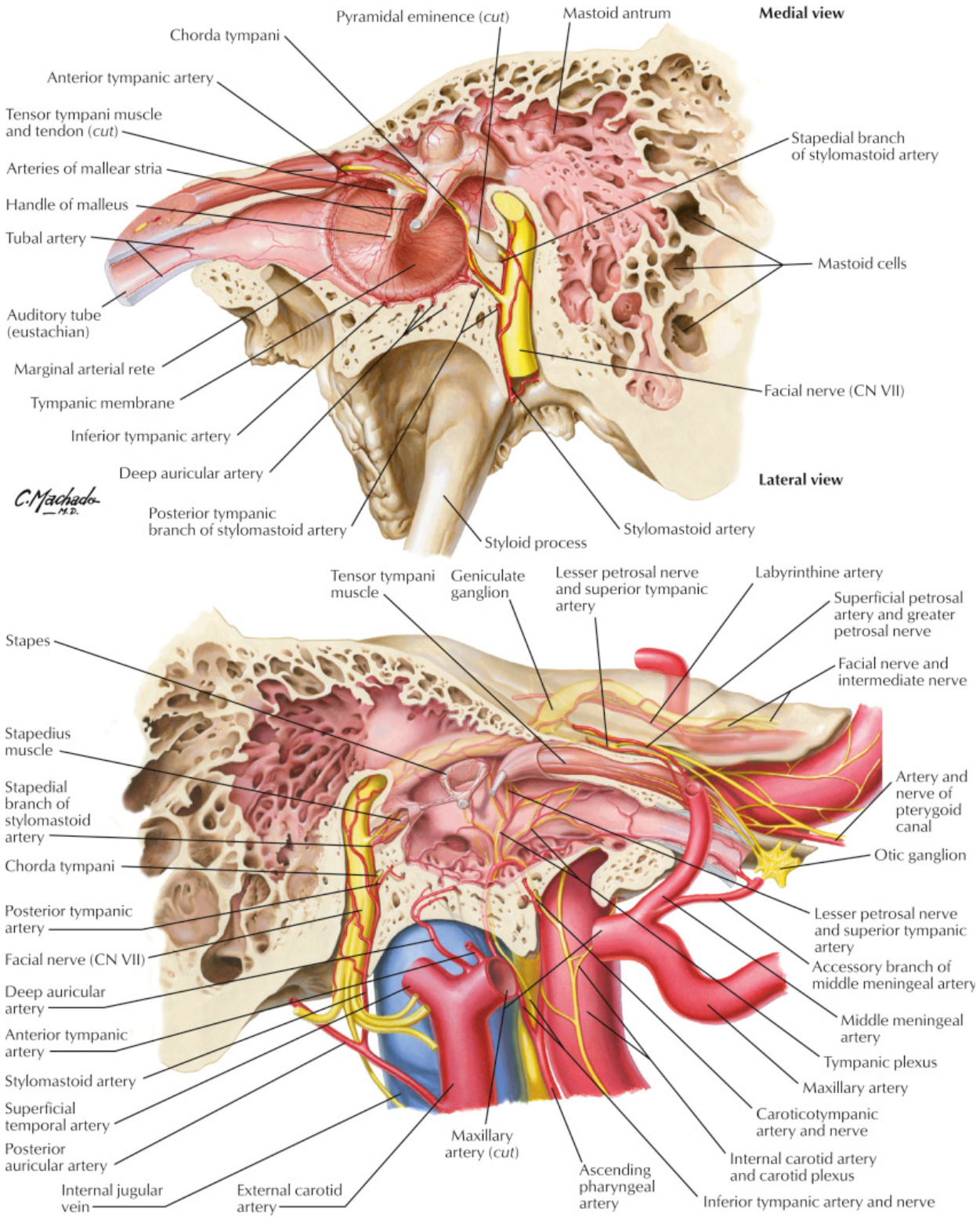
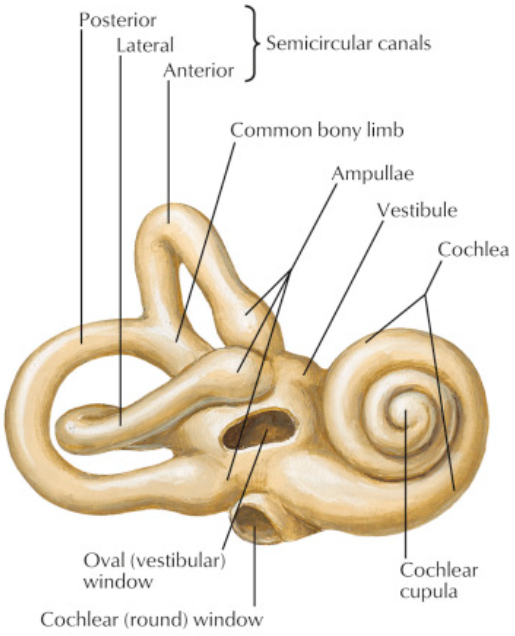


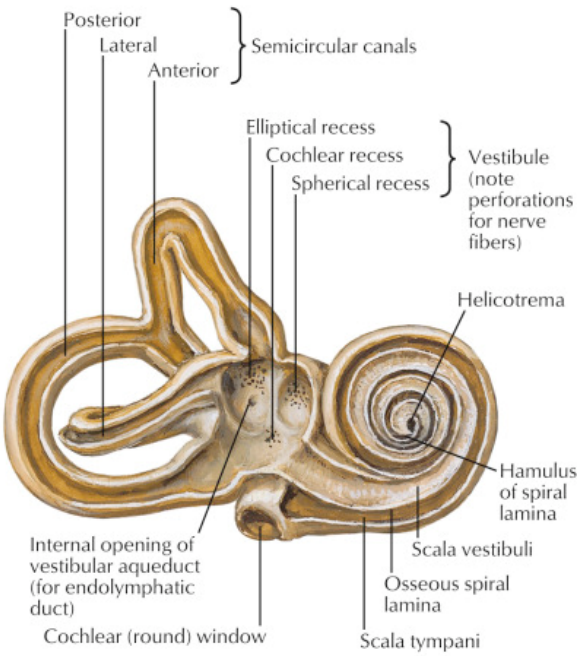
Plate 108 Bony and Membranous Labyrinths

See also **Plate 135** (s0715)

Right bony labyrinth (otic capsule), anterolateral view: surrounding cancellous bone removed



Dissected right bony labyrinth (otic capsule): membranous labyrinth removed



Right membranous labyrinth with nerves: medial view

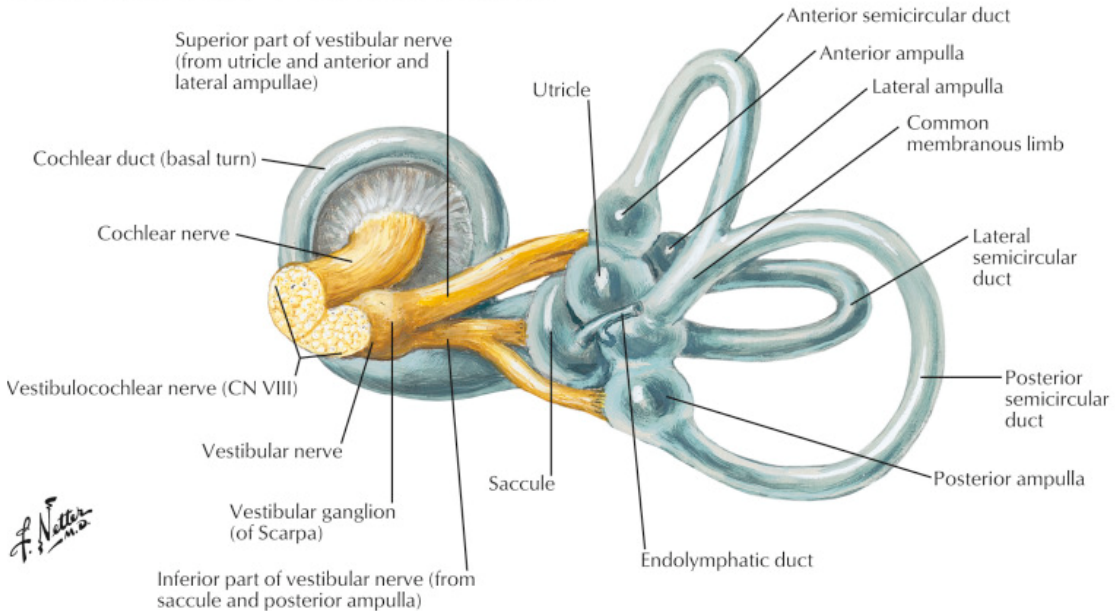
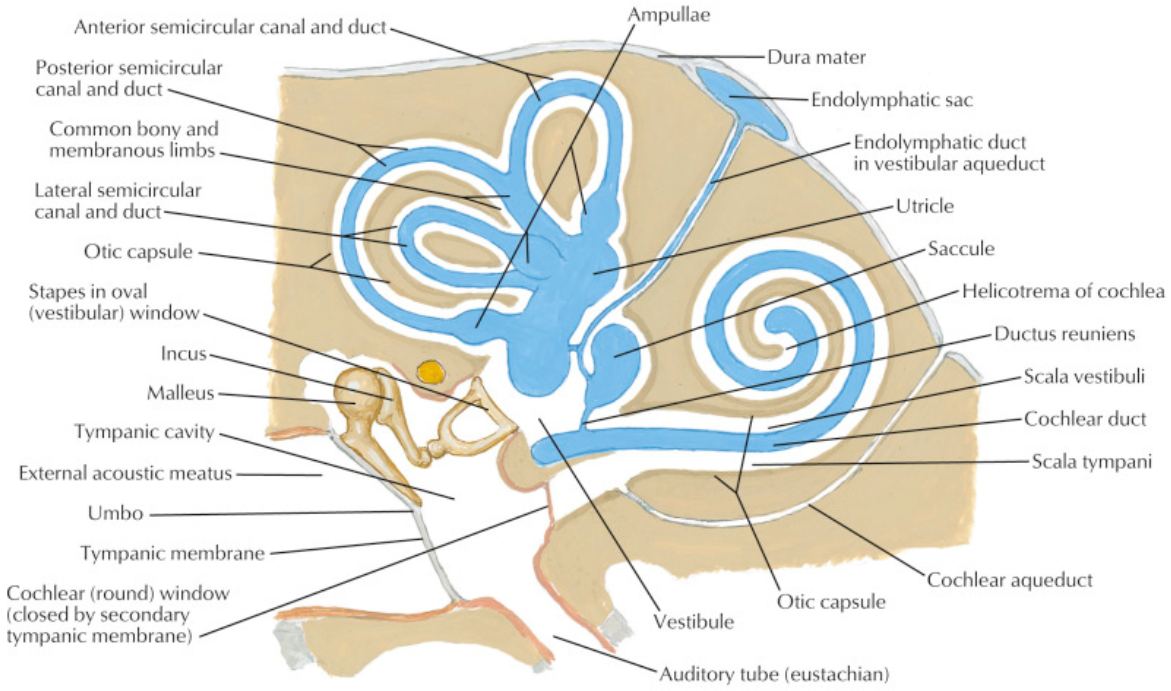


Plate 109 Bony and Membranous Labyrinths (continued)

Bony and membranous labyrinths: schema



Section through turn of cochlea

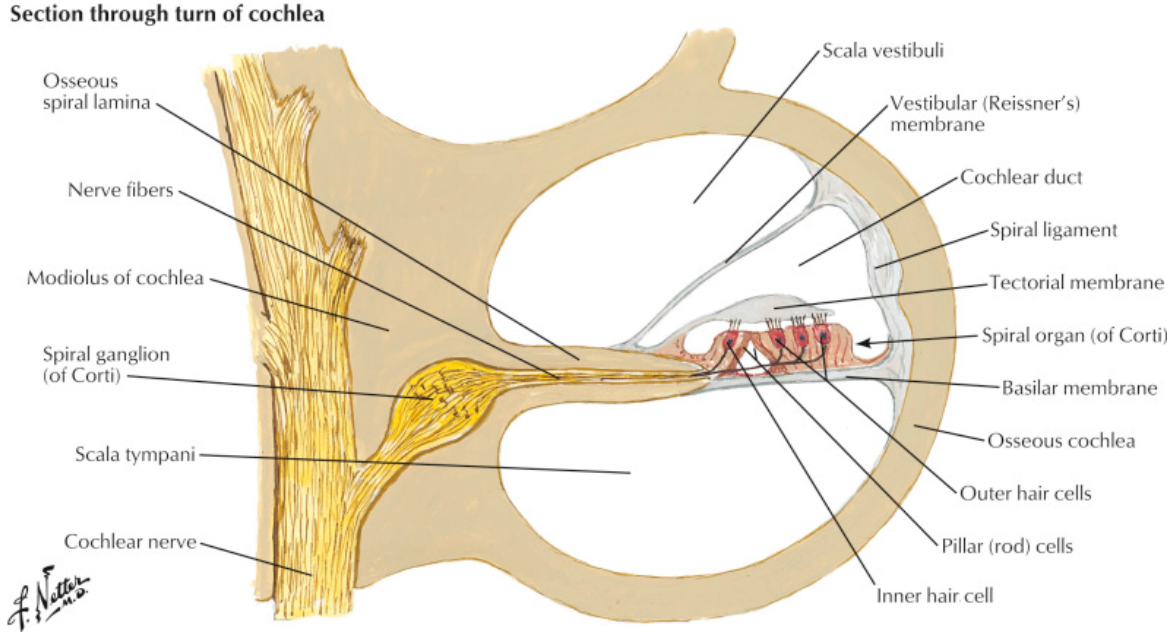
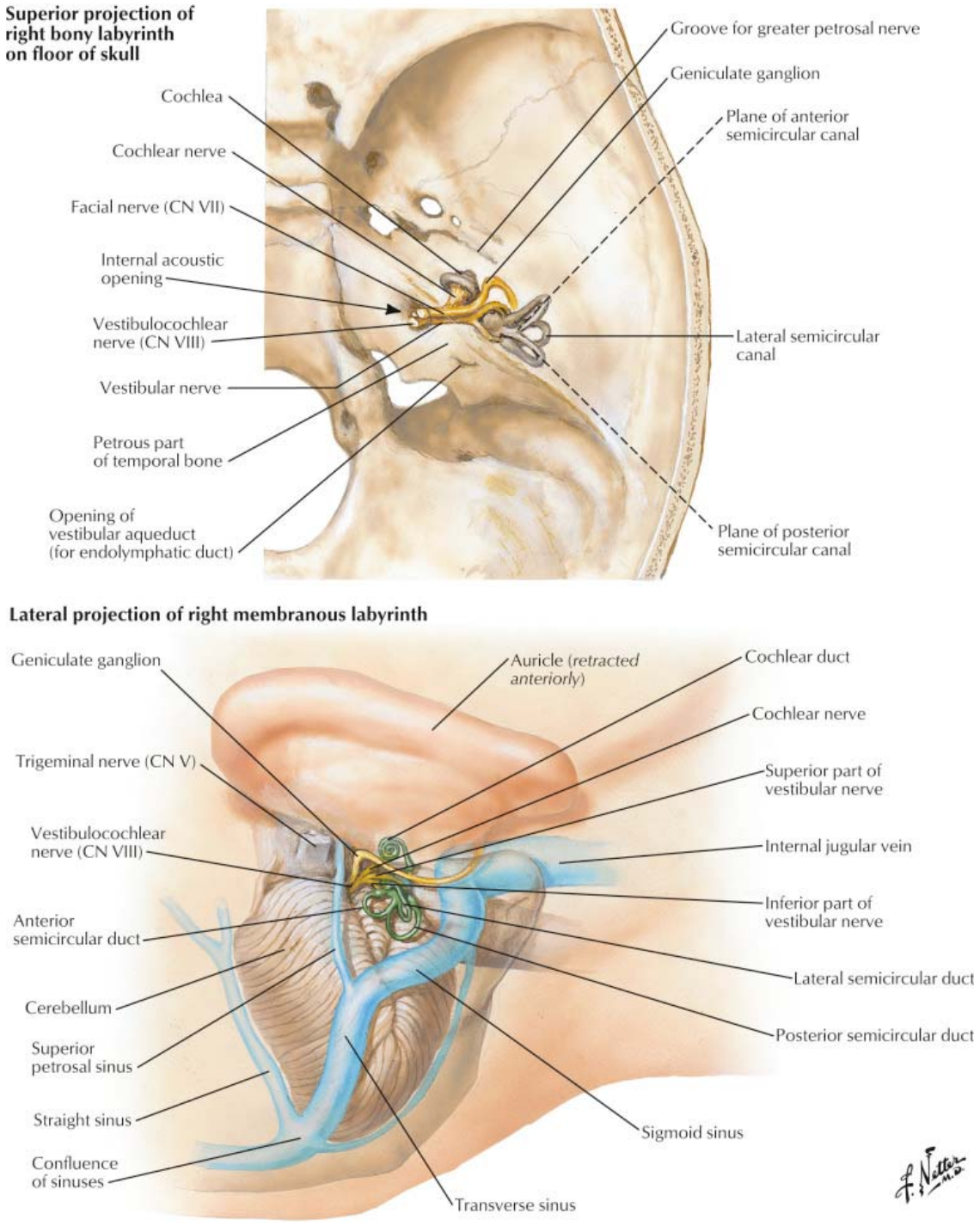


Plate 110 Orientation of Labyrinths in Skull



Meninges and Brain

Plate 111 Meninges and Diploic Veins

See also **Plate 10** (s0040)

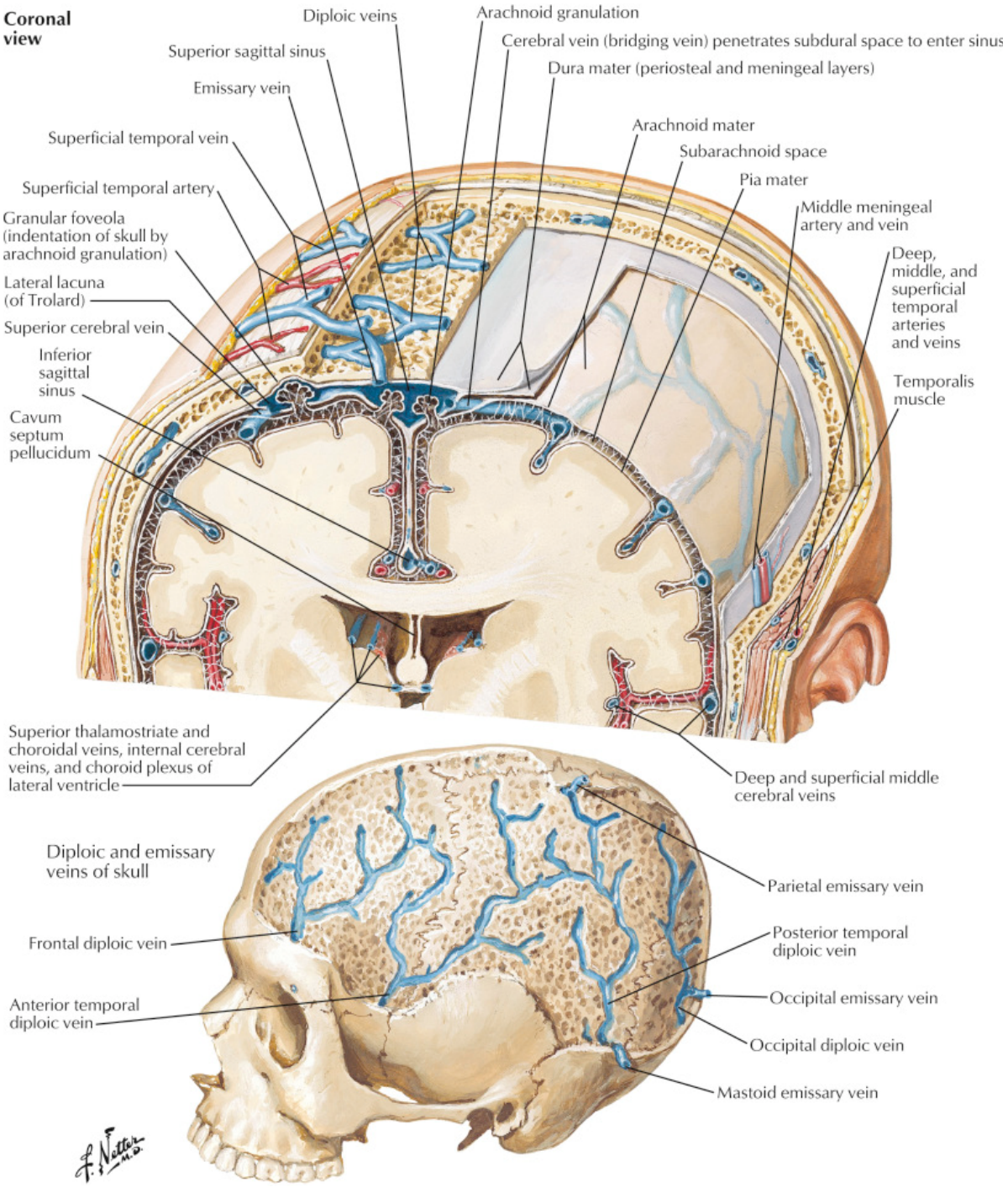

Coronal view
Diploic veins
Arachnoid granulation
Cerebral vein (bridging vein) penetrates subdural space to enter sinus
Superior sagittal sinus
Dura mater (periosteal and meningeal layers)
Emissary vein
Arachnoid mater
Superficial temporal vein
Subarachnoid space
Pia mater
Superficial temporal artery
Middle meningeal artery and vein
Granular foveola (indentation of skull by arachnoid granulation)
Deep, middle, and superficial temporal arteries and veins
Lateral lacuna (of Trolard)
Superior cerebral vein
Inferior sagittal sinus
Temporalis muscle
Cavum septum pellucidum
Superior thalamostriate and choroidal veins, internal cerebral veins, and choroid plexus of lateral ventricle
Deep and superficial middle cerebral veins
Diploic and emissary veins of skull
Parietal emissary vein
Frontal diploic vein
Posterior temporal diploic vein
Anterior temporal diploic vein
Occipital emissary vein
Occipital diploic vein
Mastoid emissary vein
F. Netter M.D.

Plate 112 Meningeal Arteries

See also **Plate 147** (s0780)

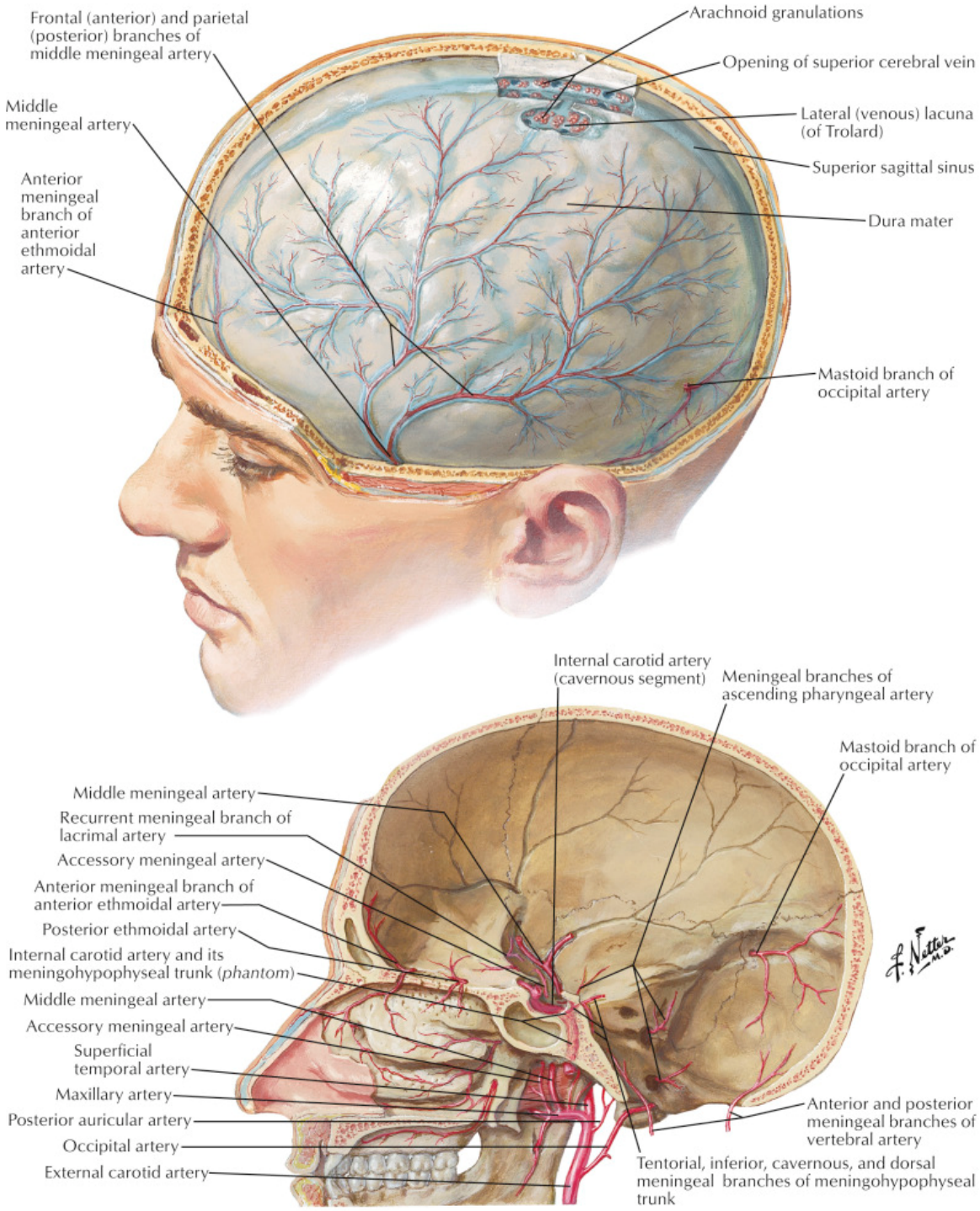

Frontal (anterior) and parietal (posterior) branches of middle meningeal artery
Middle meningeal artery
Anterior meningeal branch of anterior ethmoidal artery
Arachnoid granulations
Opening of superior cerebral vein
Lateral (venous) lacuna (of Trolard)
Superior sagittal sinus
Dura mater
Mastoid branch of occipital artery
Internal carotid artery (cavernous segment)
Meningeal branches of ascending pharyngeal artery
Mastoid branch of occipital artery
Middle meningeal artery
Recurrent meningeal branch of lacrimal artery
Accessory meningeal artery
Anterior meningeal branch of anterior ethmoidal artery
Posterior ethmoidal artery
Internal carotid artery and its meningohypophyseal trunk (phantom)
Middle meningeal artery
Accessory meningeal artery
Superficial temporal artery
Maxillary artery
Posterior auricular artery
Occipital artery
External carotid artery
Anterior and posterior meningeal branches of vertebral artery
Tentorial, inferior, cavernous, and dorsal meningeal branches of meningohypophyseal trunk

Plate 113 Meninges and Superficial Cerebral Veins

For deep veins of brain see **Plate 156** (s0825)

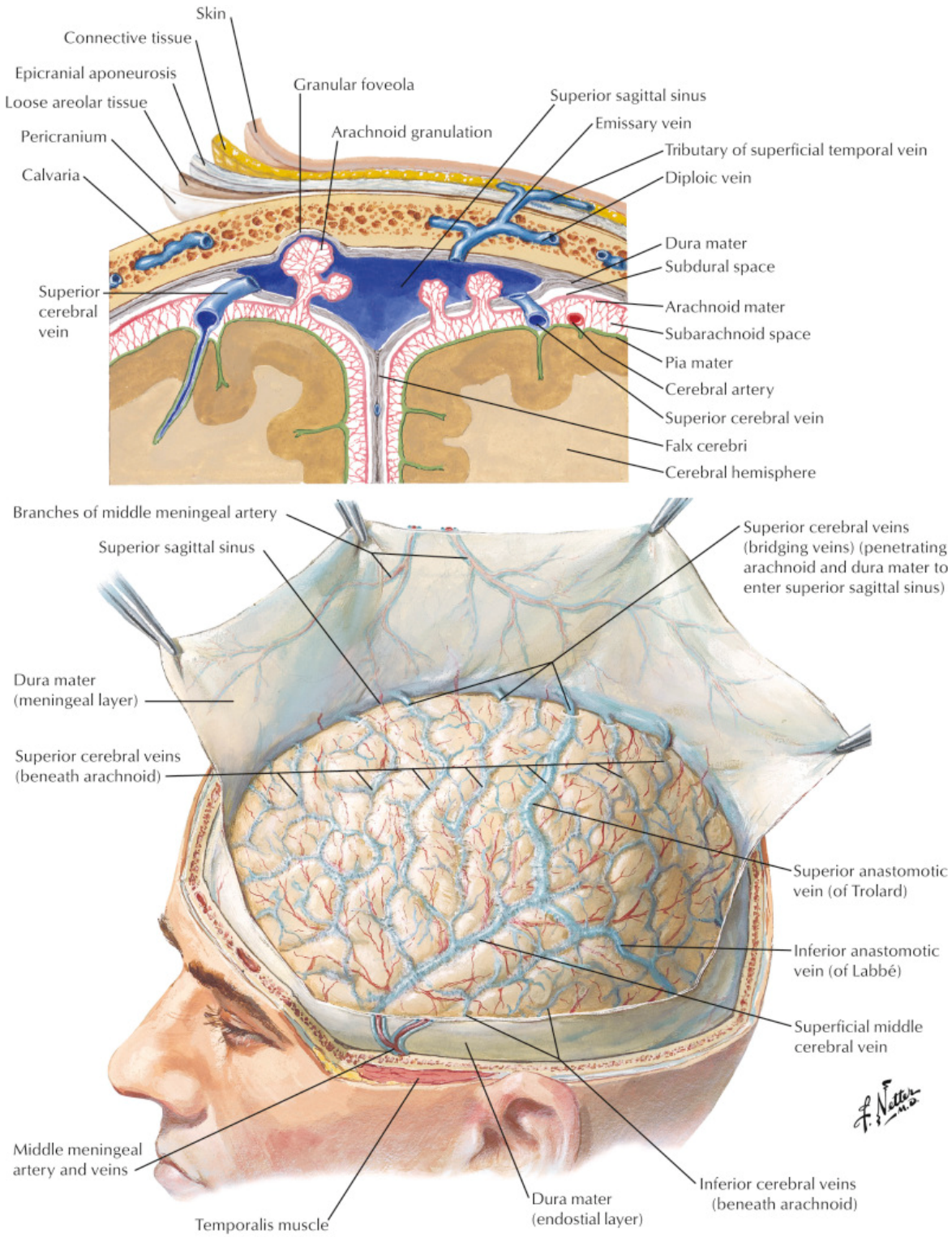


Plate 114 Dural Venous Sinuses: Sagittal Section

See also **Plates 111** (s0590) , **117** (s0620)

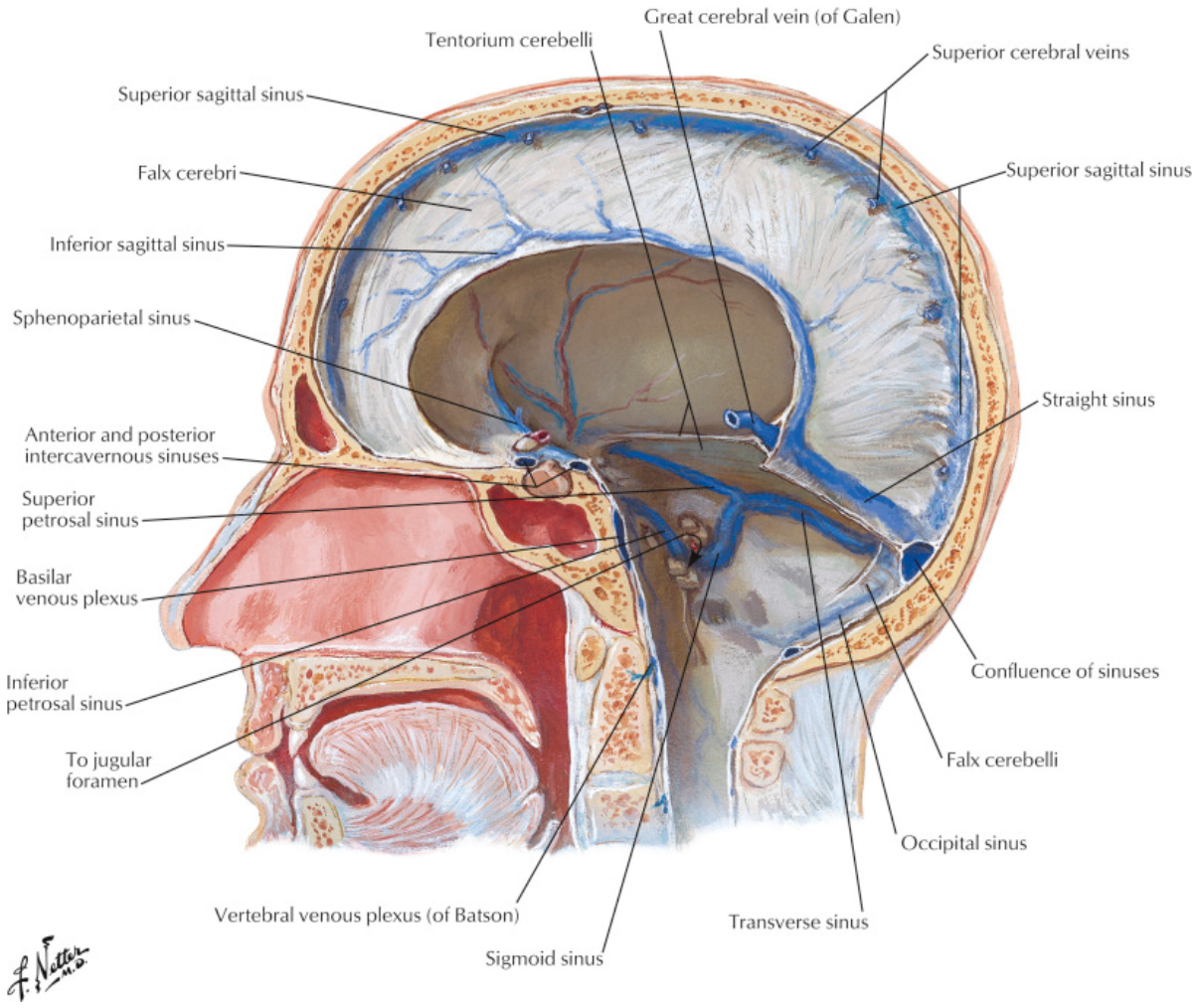


Plate 115 Dural Venous Sinuses (continued)

See also **Plates 64** (s0325) , **97** (s0510)

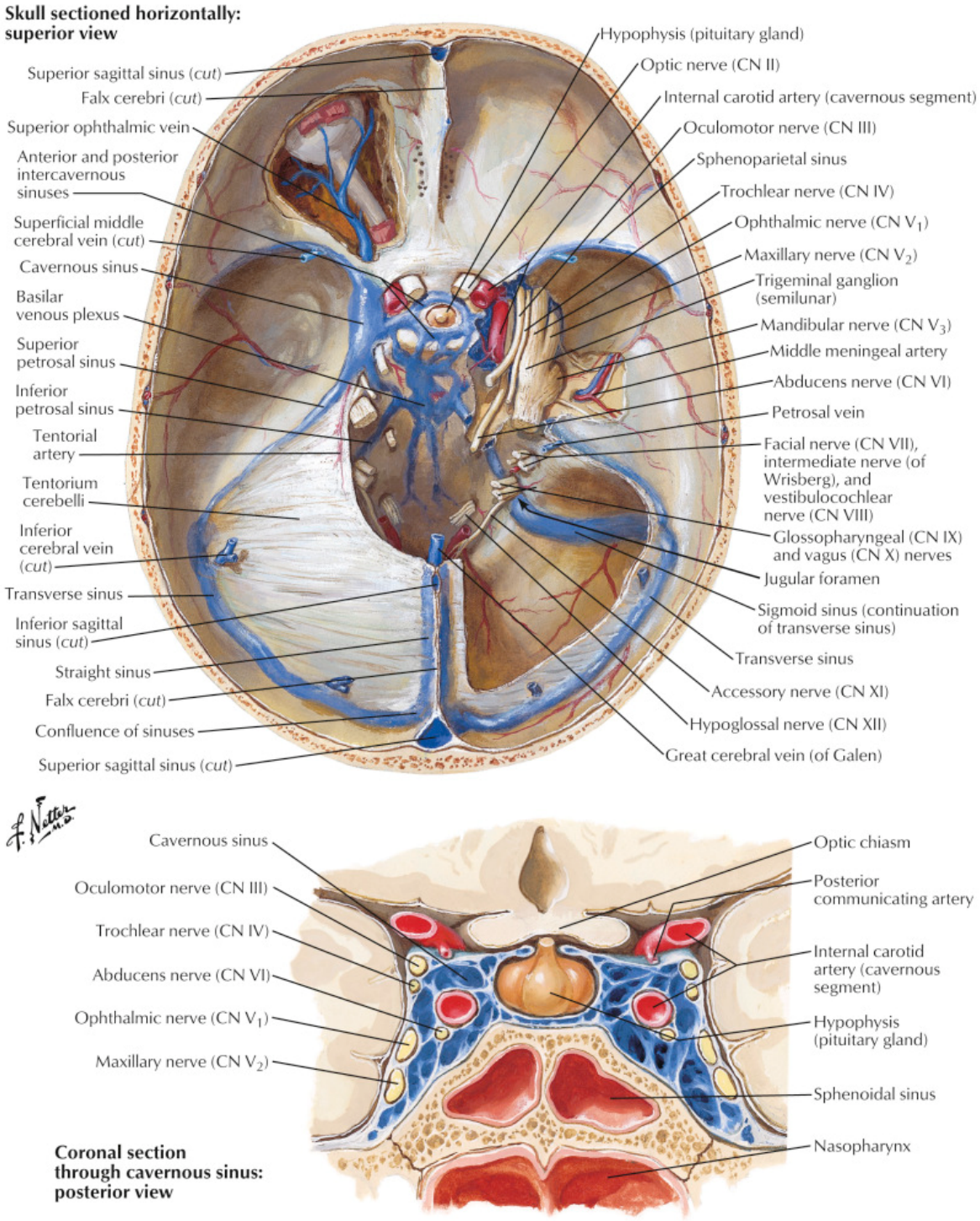


Plate 116 Brain: Lateral Views

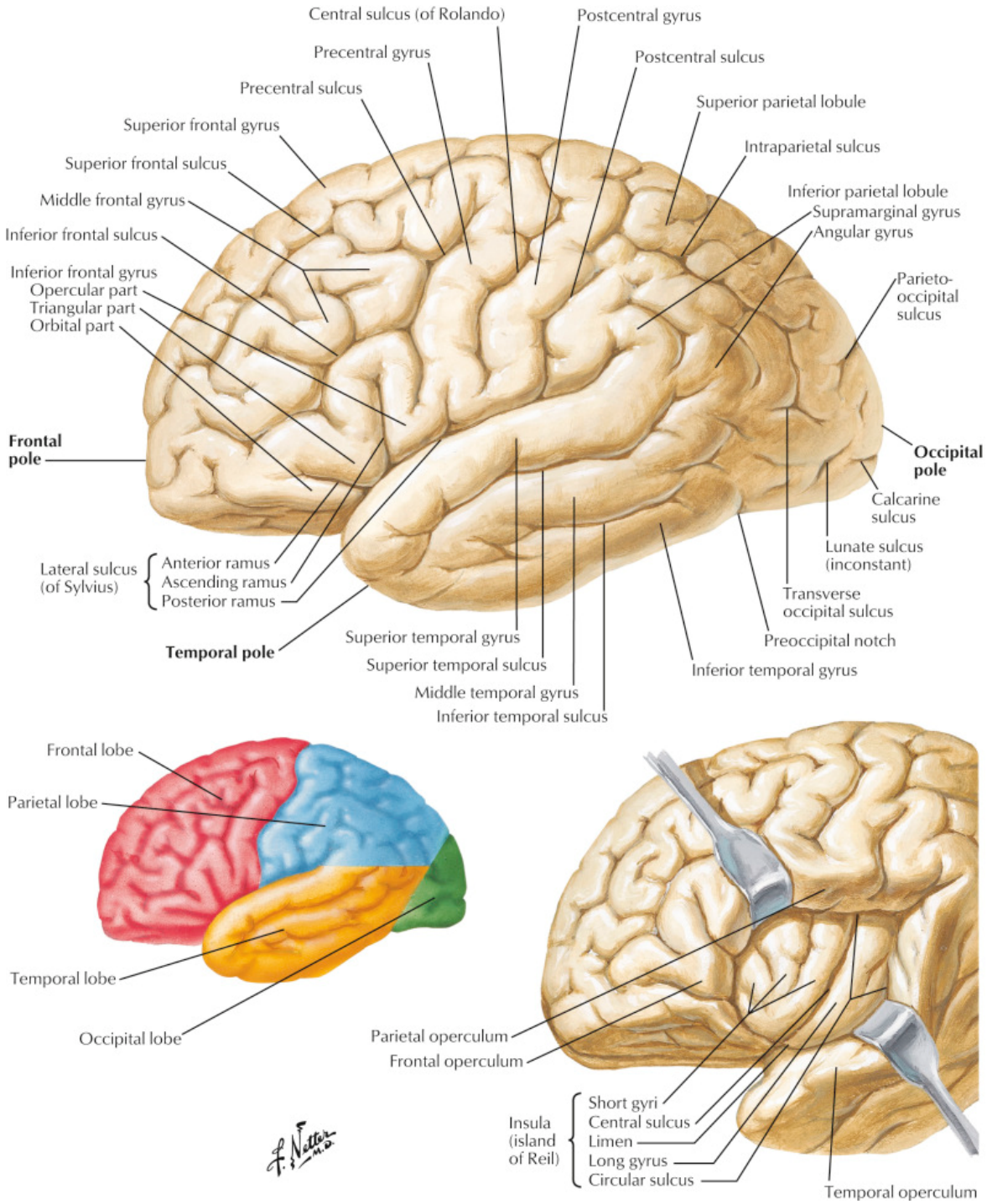


Plate 117 Brain: Medial Views

See also **Plate 158** (s0835)

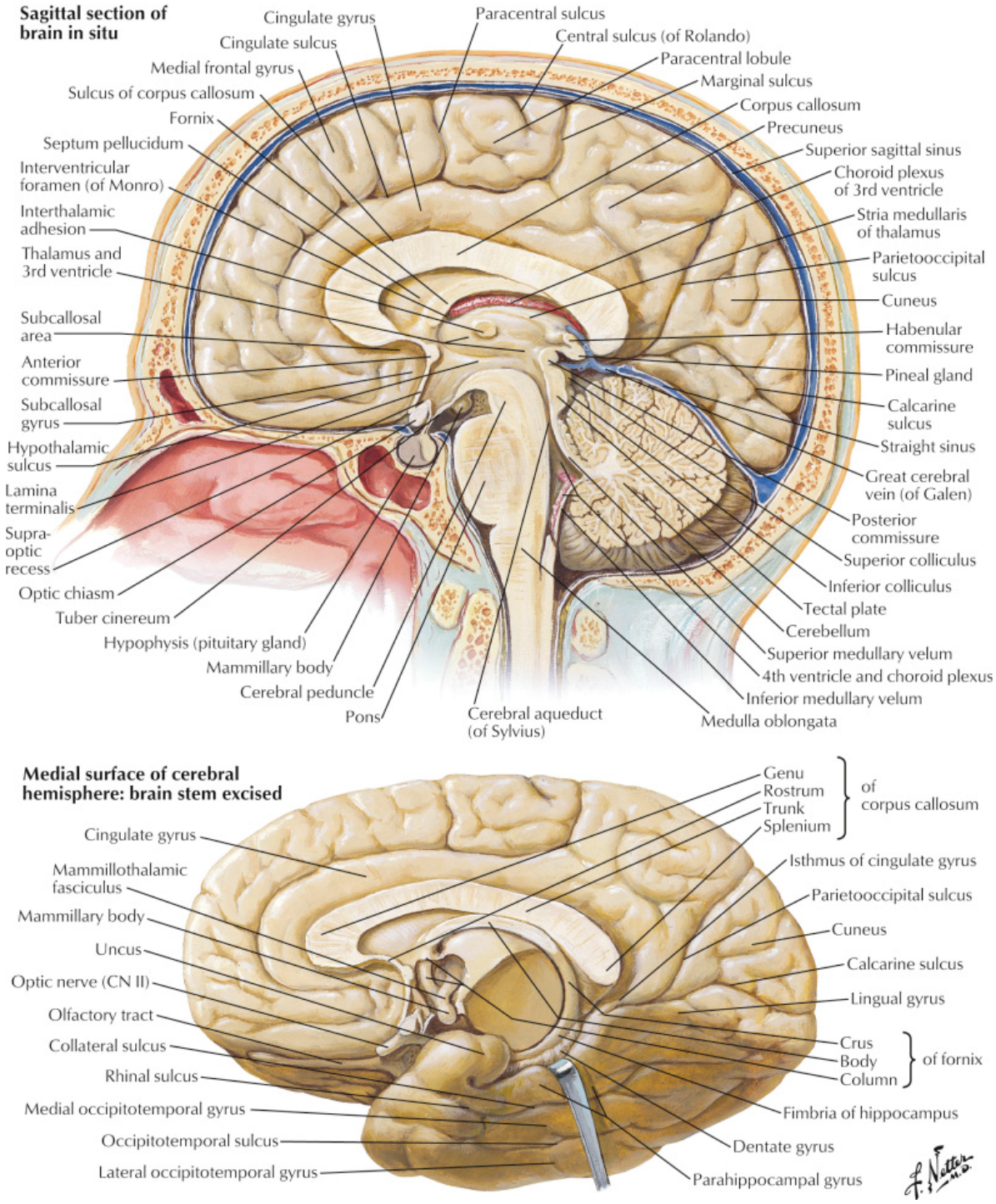


Plate 118 Brain: Inferior View

See also **Plate 117** (s0620)

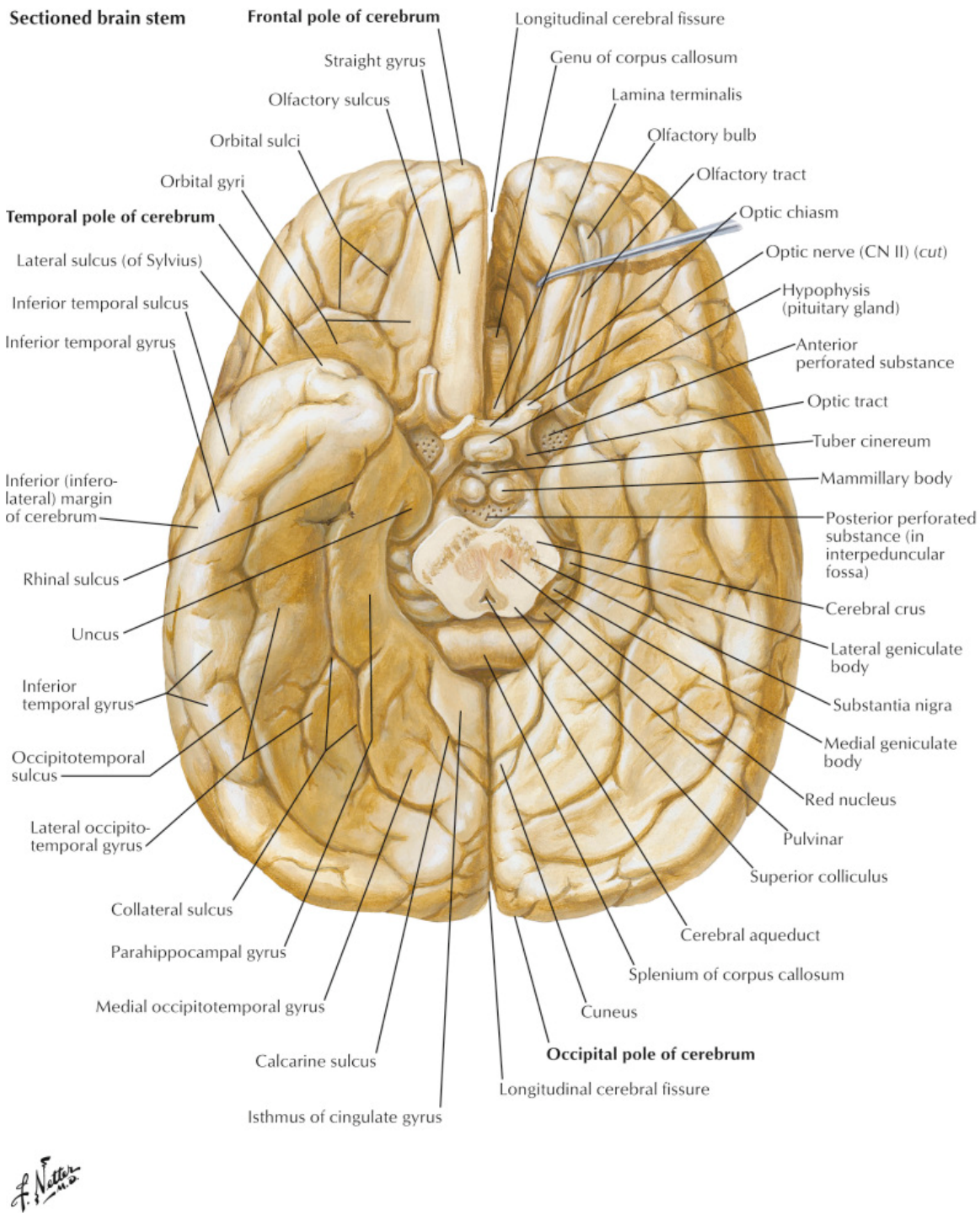


Plate 119 Ventricles of Brain

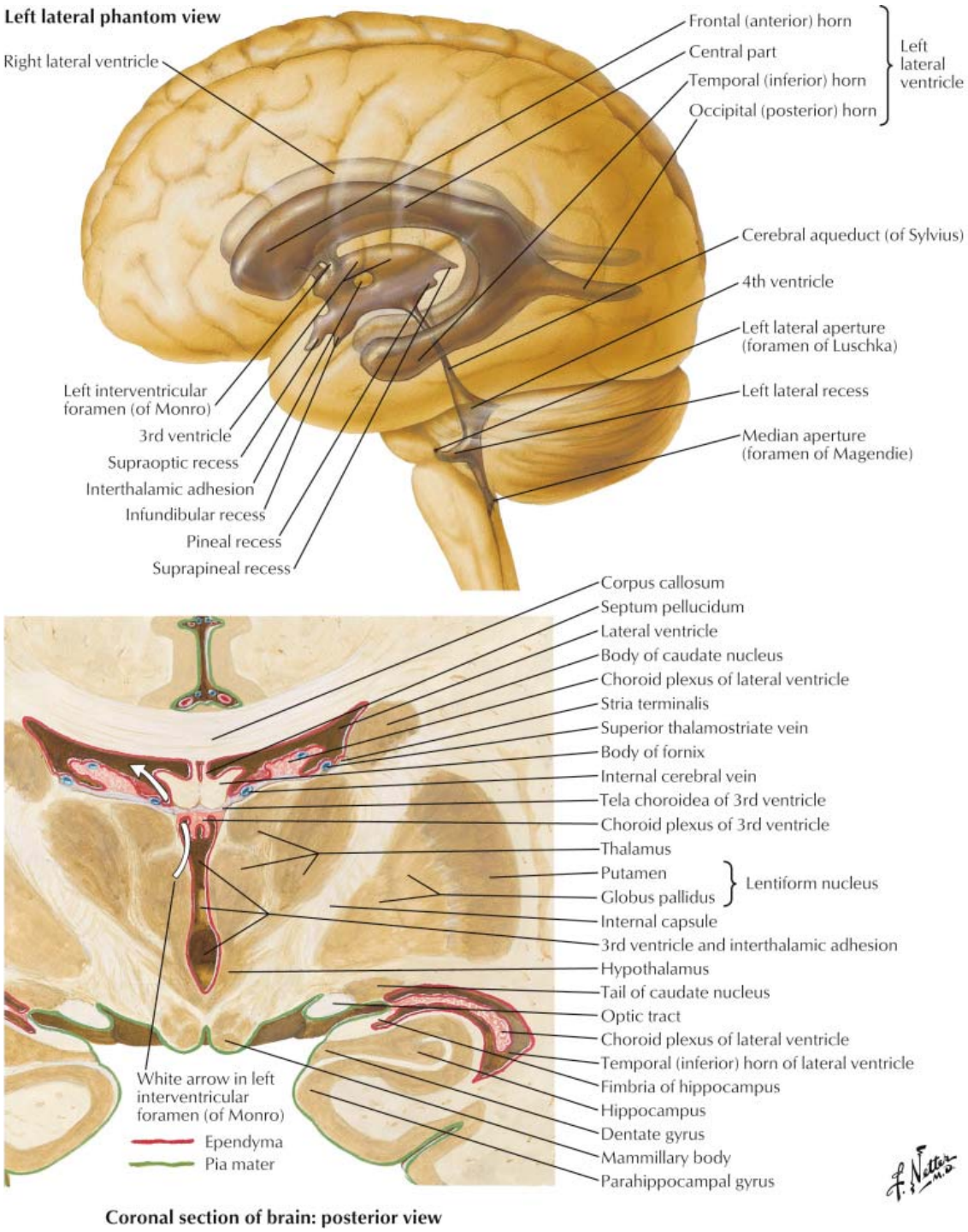


Plate 120 Circulation of Cerebrospinal Fluid

See also **Plates 119** (s0630) **, 157** (s0830)

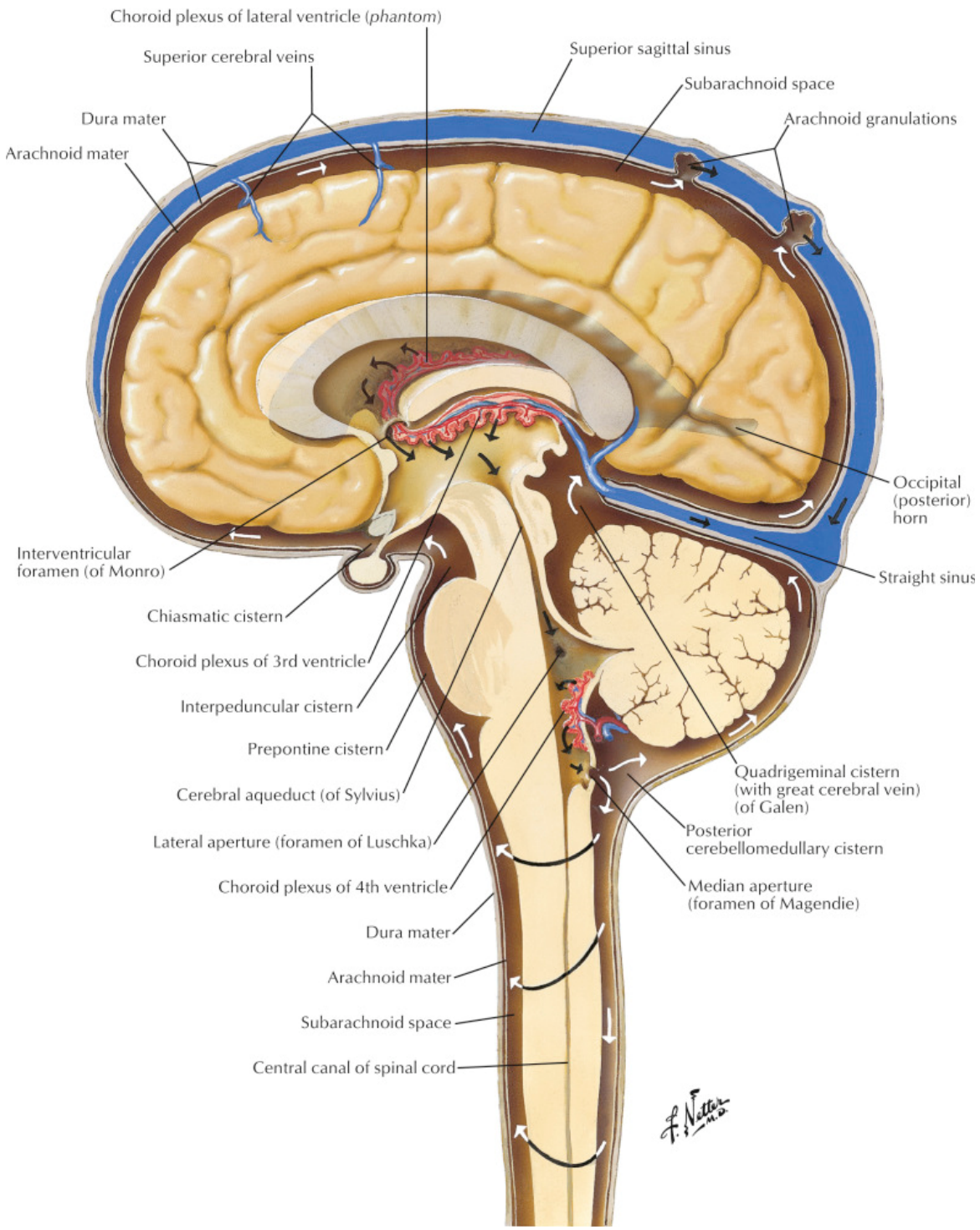


Plate 121 Basal Nuclei (Ganglia)

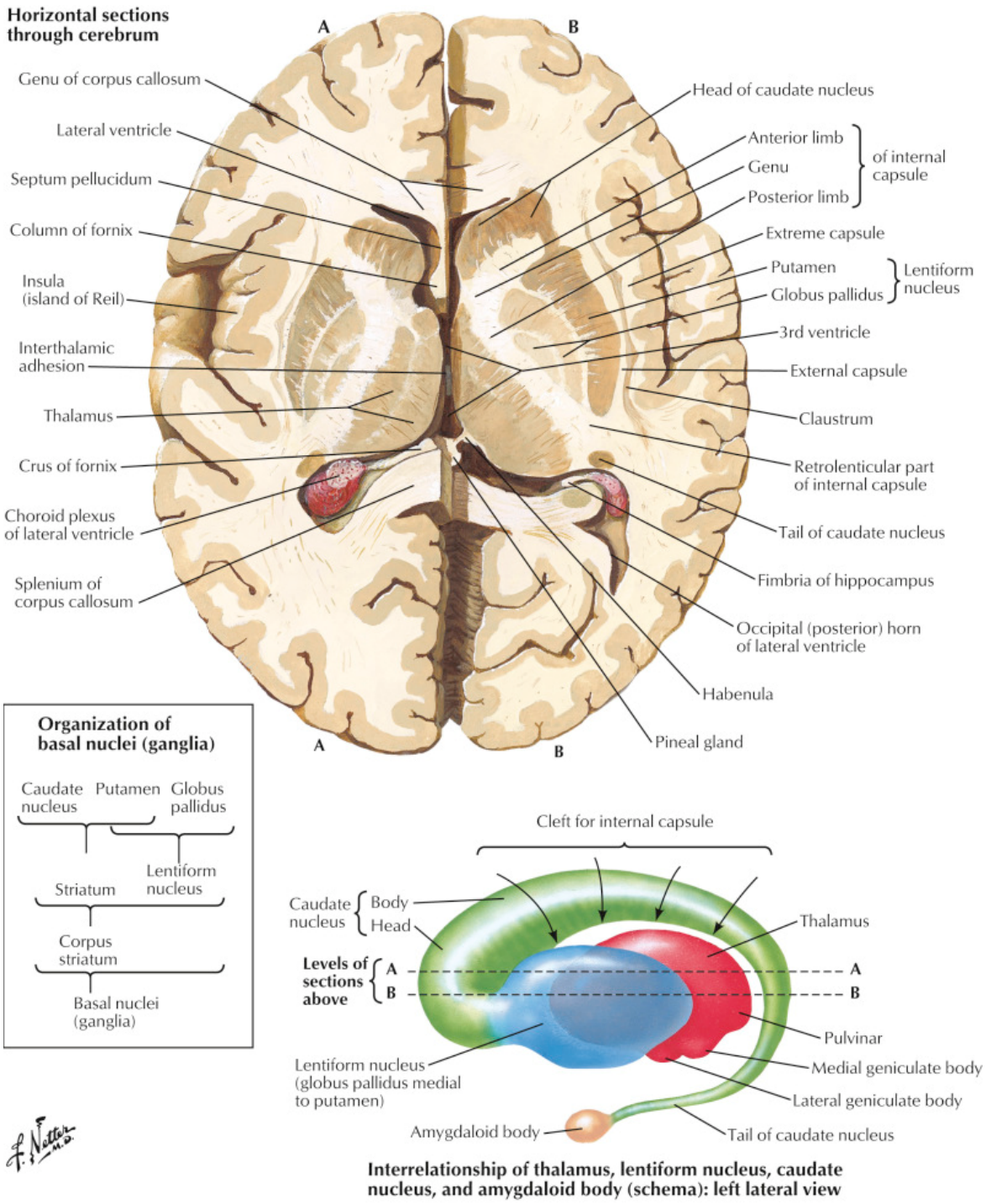


Plate 122 Thalamus and Related Structures